

WHAT IS CLAIMED IS:

1. A catheter comprising:

an elongated tubular body extending to a distal end thereof, the tubular body having a first lumen and a second lumen with a septum disposed therebetween, the tubular body including a first wall that defines the first lumen and a second wall that defines the second lumen, a portion of the septum extending distally beyond the first lumen and the second lumen;

wherein the first wall includes a first wall extension that extends in a spiral configuration from the first lumen and is spaced apart from the portion of the septum.

2. A catheter as recited in claim 1, wherein the second wall includes a second wall extension that extends in a spiral configuration from the second lumen and is spaced apart from the portion of the septum.

3. A catheter as recited in claim 1, wherein the first wall extension includes a planar end surface that forms a boundary about the first wall extension and defines the spiral configuration of the first wall extension.

4. A catheter as recited in claim 2, wherein the second wall extension includes a planar end surface that forms a boundary about the second wall extension and defines the spiral configuration of the second wall extension.

5. A catheter as recited in claim 2, wherein the first wall extension defines a first cavity and the second wall extension defines a second cavity, the first cavity and the second cavity being symmetrical.

6. A catheter as recited in claim 2, wherein the first wall extension and the second wall extension are symmetrically disposed about the portion of the septum.

7. A catheter as recited in claim 5, wherein the first wall extension includes a base that defines an inlet opening of the first cavity, the base being disposed proximal to fluid flow being expelled from the second cavity of the second wall extension.

8. A catheter comprising:

an elongated tubular body extending to a distal tip and having a septum that separates a first lumen and a second lumen thereof, the tubular body including a first wall that defines the first lumen and a second wall that defines the second lumen,

5 the septum having a septum extension disposed adjacent the distal tip and extending distally beyond the first lumen and the second lumen,

wherein the first wall includes a first wall extension that extends distally beyond the first lumen in a spiral configuration and is spaced apart from the septum extension, the first wall extension defining a concave surface facing the septum extension, the second wall including a second wall extension that extends distally beyond the second lumen in a spiral configuration and is spaced apart from the septum extension, the second wall extension defining a concave surface facing the septum extension.

9. A catheter as recited in claim 8, wherein the first wall extension and the second wall extension each include planar end surfaces that form a boundary about their respective concave surfaces and define the spiral configuration of the respective first and second wall extensions.

10. A catheter as recited in claim 8, wherein the concave surface of the first wall extension defines a first cavity and the concave surface of the second wall extension defines a second cavity, the first cavity and the second cavity being symmetrical.

20 11. A catheter as recited in claim 10, wherein the first wall extension includes a first base that defines an inlet opening of the first cavity, the first base being disposed proximal to fluid flow being expelled from the second cavity of the second wall extension and the second wall extension includes a second base that defines an inlet opening of the second cavity, the second base being disposed proximal to fluid flow being expelled from
25 the first cavity of the second wall extension.

12. A catheter as recited in claim 8, wherein the first wall extension and the second wall extension are symmetrically disposed about the septum extension.

13. A catheter comprising:

an elongated tubular body extending to a distal end and having a septum that separates a first lumen and a second lumen thereof, the tubular body including a first wall that defines the first lumen and a second wall that defines the second lumen,

5 the septum having a septum extension disposed adjacent the distal end and extending distally beyond the first lumen and the second lumen,

the first wall includes a first wall extension that extends distally beyond the first lumen in a spiral configuration and is spaced apart from the septum extension, the second wall including a second wall extension that extends distally beyond the second lumen in a
10 spiral configuration and is spaced apart from the septum extension,

wherein the first wall extension defines a first cavity and the second wall extension defines a second cavity, the first wall extension includes a first base that defines an inlet opening of the first cavity, the first base being disposed proximal to fluid flow being expelled from the second cavity of the second wall extension.

15 14. A catheter as recited in claim 13, wherein the second wall extension includes a second base that defines an inlet opening of the second cavity, the second base being disposed proximal to fluid flow being expelled from the first cavity of the second wall extension.

20 15. A catheter as recited in claim 13, wherein the first base has an arcuate configuration.

16. A catheter as recited in claim 14, wherein the second base has an arcuate configuration.

17. A catheter as recited in claim 13, wherein the first cavity and the second cavity are symmetrical.

25 18. A catheter as recited in claim 13, wherein the first wall extension defines a concave surface facing the septum extension.

19. A catheter as recited in claim 13, wherein the second wall extension defines a concave surface facing the septum extension.